

Environmental
Restoration
Contractor

ERC Team

Meeting Minutes

054014

Job No. 22192
Written Response Required? NO
Due Date: N/A
Actionee: N/A
Closes CCN: N/A
OU: GW/VZ100
TSD: N/A
ERA: N/A
Subject Code: 4170; 8830/4170

SUBJECT GW/VZ INTEGRATION PROJECT WEEKLY MEETING - JULY 20, 1998

TO Distribution

FROM Michael J. Graham, GW/VZ Project Manager

DATE July 24, 1998

ATTENDEES

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DISTRIBUTION

Attendees

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NEXT GW/VZ INTEGRATION PROJECT WEEKLY MEETING:

Date: July 27, 1998

Location: Bechtel Hanford, Inc. Assembly Room - 3350 George Washington Way (Badging Required)

Local Call In Number: (509) 376-7411

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MEETING MINUTES:

A Groundwater/Vadose Zone (GW/VZ) Integration Project Weekly Meeting was held on Monday, July 20, 1998, in Richland, Washington, at the PNNL Columbia River Room.

NATIONAL LAB MEETINGS:

A National Laboratory Meeting was held last Thursday and Friday, July 16-17. Shirley Rawson of PNNL has joined the GW/VZ Project as the lead for the incorporation of the Science and Technology portion. Shirley is the Deputy Director of the Environmental Molecular Science Lab (EMSL) at PNNL and she brings a wealth of experience, and a good network with the other Labs. There was a productive exchange this past week, which focused on laying the foundation for the incorporation of the Science and Technology portion of the Project. The Project is now determining if there are opportunities to collect data in the field, in the near-term.

There is another session with the National Laboratories on Wednesday and Thursday of this week, July 22-23. An agenda for these meetings is attached.

QUESTION: Will there be a recap of the National Lab meetings?

ANSWER: Yes.

There was an all-day Project Workshop last Tuesday, July 14. In general, feedback has been positive. Some feedback was received that there was a need to continue to work on the notification and scheduling process to make sure that people are plugged in, with enough time to plan and work around any conflicts.

There is a lack of participation by some individuals and groups. The Project will continue our out reach out to encourage all people to be able to contribute to and participate.

COMMENT: Only comment I would make would be that yes, it was a good workshop, however, we still need to address our process of how folks can get involved in the management of the Project. We need to map out something that is understandable and can be communicated with others.

QUESTION: Once you decide on how that will be handled, will you advise the rest of us?

RESPONSE: Just like everything else with this Project, that information will be shared. I want to be sure that I understand what is being requested, is this request tied to the CRCIA Appendix D, or is it a separate issue.

COMMENT: Appendix D is not the only way to achieve the credibility factor we are after, but that seems to be the general direction of the workshops, and I'm not sure if that is your answer to Appendix D.

RESPONSE: There needs to be a meeting off line on this subject and clarify what is needed.

DRAFT PROJECT SPECIFICATION:

The Project had our internal review of the Draft Project Specification document last week. The document will be transmitted to DOE-RL today for review and comments. This document will eventually include an Appendix D, which is a summary of the core projects and their activities. To date, that section is not complete. However, it will be completed by the time the document is ready for the public comment period.

FUNCTIONAL REVIEW OF THE DWP SCOPING STATEMENTS:

The Project had an internal BHI functional review of the scope statements for the project. Tomorrow, July 21, the core contractor team will go through the DWP to develop a budget and schedule. Next Monday, July 27, there will be a review with DOE-RL. The Project is rapidly approaching Rev. 0 of our DWP which will be completed for our meeting on August 11.

In Bechtel's DWP process there is an all day meeting where the BHI projects present their individual Detailed Work Scopes and budgets for the next three years. These meetings include the regulators and will be open to everyone to attend. Because this project will also be hearing from all the integrated Hanford projects, the thinking is to schedule another day for review, and then incorporate this DWP review as part of the next workshop. This workshop will be interactive and focused on stakeholders and Tribes.

If anyone knows of conflicts with dates for the Week of August 10, please let Dru Butler or Bryan Foley know as soon as possible. Currently, we are trying to hook up with the ER Committee on August 13 and have our workshop be a half day meeting in the afternoon, or possibly in the evening. The next National Lab Meeting will be August 12-13.

COMMENT: Tony DiFazio (Congressman from Oregon) will be touring the site on August 13-14.

SYSTEM ASSESSMENT CAPABILITY:

Feedback from Tony Knepp is that the Project has an initial agreement with the leadership of CRCIA and DOE-RL to initiate building an initial system impact model based on results from past studies. This wasn't originally on the Project scope for this year, but it would be very beneficial to have this in place.

COMMENT: Is CRCIA still an active group? Marty Bensky would like to sit in as an observer if the team is still meeting.

ANSWER: (Tom Woods) The CRCIA is still active and expanding its membership. When we have a full day meeting for another subject, we try to grab an hour at either the beginning or the end. I would be happy to inform you of when those meetings will be taking place.

COMMENT: Scoping Statements when last seen had most of the right words, but there were still question marks around what was meant by a certain word or section. It was still fuzzy on the scope of the Project. We have agreement of principles; inventory and impacts are included, but just what is meant by impact and what is meant by risk wasn't clear.

RESPONSE: You won't see that detail in the scoping statement yet. Those potential activities are included in the Project Specification. The plans for next year are better planned than a few weeks ago, but they still need to be fleshed out.

QUESTION: I'm interested in the GW/VZ interface; Groundwater/River interface -- we can't tell if it is in the scope or not in the scope. Are we going to operate on a set of assumptions.?

ANSWER: The Project will do work in those areas. The process is pretty involved. The National Labs are meeting on those topics and that is the purpose of the Labs, to help with evaluation.

QUESTION: I think what is being asked is what we are going to deal with explicitly as we develop. Who hands off to whom?

ANSWER: This coming fiscal year the primary module will be worked on. That module will define the interfaces. Interfaces will be defined in the planning of the conceptual model. Those activities are going on in parallel.

COMMENT: It would really be satisfying if someone would put together a diagram that shows what all the pieces are that we are trying to assess, study, or learn about. Then we know what areas there will be focus on instead of assuming.

RESPONSE: The Project has blocked out parts and pieces, however, greater detail has not yet been done.

COMMENT: Without the diagram we can't tell if the scoping statements are right.

RESPONSE: The Project will try to do this with the accelerated effort. The Inventory module is a test. One element was to look at the Inventory module and go through the effort to select candidate and

target data sheets. We need to have a feel for what it takes to do something, and we picked the inventory module. Based on what is learned from working on this inventory piece, other modules will be worked on.

Next year the Project is going to try to get through the entire system. After gathering the basics; what is in the inventory, how good is the information; then we will have a better ideas of the time it takes.

COMMENT: Knowing what the contaminants are is the easiest piece of the problem. The rates at which they enter the groundwater and start the transport process is the hard part.

RESPONSE: Yes, but it must be done one bite at a time.

COMMENT: As I understand the accelerated effort, it will not be complete as we are putting together what exists today in the way of available modules and whether they can be interfaced. But, there isn't any reason, as we think the total problem, that we can't have something that will address what we feel is there. What I understand is that we have a lot that we don't know. It is a learning process, but it won't necessarily address the pieces that we want to know.

COMMENT: I want to see the conceptual and numerical modules take form. Then I will have an idea of whether we have a good numerical approach. I want to see the process at which it moves along.

ANSWER: Next fiscal year the Project will have money to pull together the numerical model to quantify what we believe has happened.

QUESTION: What is the numerical model?

ANSWER: A collection of models and methods developed over the years: the Agnew estimates of inventory, upgrades of the Vadose Zone module that PNNL has used for most of 200 West and East, etc.

COMMENT: I think the accelerated idea is great. However, this is only a learning devise and may not provide usage to the modules. It isn't clear that it is something we want, it may just be the quick glue.

QUESTION: To eliminate confusion of what the status is, we need a clear path from the accelerated modules in what role it will play in the overall process. The way I understand it is that it is a fast accelerated learning exercise on what we know and don't know. Is that correct?

ANSWER: Yes, that is correct.

COMMENT: The models need to be validated and approved.

COMMENT: People are aware of the weaknesses and are addressing them.

COMMENT: We need to find something that does work, not use something that doesn't work.

COMMENT: It needs to validate or it doesn't work. If the model doesn't work here at Hanford, it isn't useful.

RESPONSE: It is clear that what is done has to be valid.

QUESTION: In the S&T initiatives, are they directed primarily at field data to fill gaps, or are there areas of S&T that look at assessment methods? If you don't have DS's that work like you want, what do you do?

ANSWER: It will look at both field and assessment methods.

QUESTION: A list of those will be available when?

ANSWER: All the Project is trying to do in the first pass is to get the "no brainers;" those which are obvious. As the process moves forward, we will learn more of what isn't known. The Project is trying to lay a foundation for credible S&T, recognizing that it will take another pass through on the system assessment before clarity is gained on what we know.

QUESTION: We have come up with basic needs, the list of items of S&T in the first couple of modules. Where are they?

ANSWER: In the meeting minutes from the early meetings.

QUESTION: Can we get a list of actions from the past week?

QUESTION: The most recent Project Specification I have is from June 18, is that the most current version?

ANSWER: That materials passed out earlier were copies of the background for the Project Specification. You haven't seen the Project Specification document yet, it has not yet been out for external review. The core contractor team only saw the document for the first time last week.

QUESTION: When will it be out?

ANSWER: August 3, 1998 it will be released for public review. This week DOE-RL is reviewing the document with their comments due July 27. It will take a week to turn around their comments and prepare the document for the 30-day public review period.

QUESTION: Who is going to receive copies?

ANSWER: Everyone on our normal distribution list.

QUESTION: When will you need comments back?

ANSWER: The Project will need comments back by mid-September.

AUGUST PROJECT WORKSHOP:

The original plan was to have the next workshop August 18, however, we are aware that there is a schedule conflict because of a Plutonium Disposition Workshop.

The workshop will be rescheduled. The desire is to have the focus of this workshop center around the DWP. We are open to any ideas that you may have. Is this what the focus of the workshop should be?

Also, these workshops are not just public involvement workshops but Project workshops and deal with issues other than just public involvement.

COMMENT: When there is an outline or table of contents of the DWP or the Project Specification we would like see it. That would answer a lot of questions.

RESPONSE: We are just getting into the scoping statements from the TWRS project. It was not available last week and so we have major holes that we are dealing with.

COMMENT: Last week's workshop was excellent and the audience participation in the National Lab meetings was outstanding. The technical content of the lab meeting was great.

EXPERT PANEL:

The Project has not yet heard back from Dr. Moniz on the Expert Panel members. DOE-RL will continue to work with DOE-HQ to finalize the members.

QUESTION: We sent comments on who we specifically would not like to see on the panel. Was that information forwarded to DOE-HQ?

ANSWER: Yes. Some changes were made at DOE-HQ because of those concerns.

GAP ANALYSIS:

A matrix of the gaps is being put together as they are known today. Basically, the gaps have been identified in the S&T, but all the projects have articulated gaps as well. The matrix will take that information and combine it. This matrix will help define what a gaps are and where they came from. Tom Wintczak is putting together all this information. Hopefully, this matrix can be shared at next week's meeting. It will be a rough draft.

COMMENT: So this is supportive of the accelerated effort in that we will have some idea of where we will be beginning; not only defining if there is a gap, but whether it is important or trivial; a prioritization process.

ANSWER: The matrix will provide information and program gaps as they are known today.

QUESTION: Have you looked at the material being put together for the integrated site baseline by site engineering? In putting that baseline together it became obvious where a lot of the holes are.

ANSWER: Yes, we are aware of that information. It is at a really high level, but is being incorporated.

LONG-RANGE PLAN:

There is a meeting on Wednesday, July 22, with RL to make sure the core contractor team and RL are on the same page with the Long Range Plan. Putting together the Long Range Plan for the Project is due by December and both parties need to have the same end point in mind.

QUESTION: Where is the location of this meeting?

ANSWER: At this moment the exact location is not known. The purpose of the meeting is to have the contractor team and DOE-RL get together to make sure that there is a basis of agreement on what the target is.

COMMENT: I am interested in the outcome of that meeting, particularly what the target is.

MONTHLY PROGRESS REVIEW:

The GW/VZ Project monthly progress review meeting is on Wednesday, July 22 from 8:45 to 9:45 a.m. in the Assembly Room at Bechtel. This is an open meeting to go over the budget and schedule and see where the Project is on and off track. The information that will be discussed is from the month of June. This project is moving so quickly that much of what is discussed seems like a long time ago.

ISSUES:

Some of you may be aware that TWRS received a corrective action directive from Ecology on June 16, which called for TWRS to prepare a characterization plan within a specific time period. The Project is looking at what the role of the Project is relative to a response, and what the expectations of the regulators are. Right now we are just getting up to date and looking at the regulations. The Project needs to play a role somehow, where and how needs to be defined.

QUESTION: Is characterization simply defining the waste in the tanks?

ANSWER: The letter calls for a RCRA Facility Investigation (RFI) or characterization of contaminated soils around the tanks.

QUESTION: Suppose model development takes 100 years, where is the system going to go, what is the default without a credible model accepted by all parties.

COMMENT: A lot of organizations have a different view. There is a vast difference in being unable to make estimates of effects beyond the human race, which is beyond mortal comprehension, and being unable to get an estimate simply because we can't get the right people to be at the right place in the right time with the right funding.

COMMENT: But, you can do bounding estimates and figure out how much you can bound, which will give you an idea of how far you can go.

COMMENT: Something may get done, and it can be the wrong thing if we don't ensure that we all work together.

The Project received a letter last week from the Heart of America expressing concerns regarding this Project. A response is being drafted to the letter.

QUESTION: Is it a private distribution or can we receive a copy of the letter?

ANSWER: It had a wide distribution and anyone who would like a copy can receive one. Please call either Dru Butler (376-4669) or Karen Strickland (372-9236) if you would like one.

UPCOMING EVENTS:

The Workshop on Tribal Involvement at Hanford on July 30, may be rescheduled because Mr. Wagoner will be unable to attend.

The Project is planning for the Regional Workshop/Forum in September. Any ideas on how how to reach out and how to approach these workshops would be helpful. Good feedback was received from Marty on the

general public and Dru is working with Shelley Cimone to gain her insights. Your input is needed to make these workshops successful. Please give Dru a call if you have any recommendations.

COMMENT: It is not always clear on the upcoming events which are open meetings and which are internal. It would be helpful to have that information identified so that it isn't confusing.

RESPONSE: There used to be a section entitled "Opportunities for Participation." That section will once again be included in upcoming events.

COMMENT: Please avoid coming out with the information at the last minute.

ANSWER: An attempt will be made to have these meetings scheduled this week and provide that information on July 27.

COMMENT: The sooner we know, the easier it will be to plan.

ANSWER: Nancy Myers is working to try and "piggy back" our meeting with the HAB-ER Committee Meetings. Does this make sense?

COMMENT: Yes, that sounds like a good plan.

The dates for the National Lab Meetings in August are still open. Some key players are not available so we are going to look at other opportunities. The date for these meetings will be set this week.

OPPORTUNITIES FOR PARTICIPATION:

July 27	Weekly Project Status Meeting - 1:00 p.m. in Bechtel's Assembly Room
August 3	Weekly Project Status Meeting - 1:00 p.m. in PNNL's Columbia River Room
Week of August 10	Monthly Project Workshop on Detailed Work Plans
Week of August 17	National Lab Meetings (Tentative)

NOTE:

Groundwater/Vadose Zone Web Site Location: <http://www.bhi-erc.com/vadose/vadose.htm>

ATTACHMENTS:

- 1) 6-Week Look Ahead Calendar
- 2) National Laboratory Agenda for July 22-23

ATTENDEES:

Martin Bensky, HAB

Dru Butler, BHI

Don Clark, JAI Corporation

Dirk Dunning, Oregon Office of Energy

Bryan Folley, DOE

Dib Goswami, Ecology

Michael Graham, BHI

Mary Harmon, DOE

Dave Holland, Ecology

Gary Jewell, BHI

Tony Knepp, BHI

Fred Mann, FDNW

Katy McKeig, SMS, Inc.

Tom Page, PNNL

Gordon Rogers, HAB

Casey Rudd, Ecology

Karen Strickland, BHI

Mike Thompson, DOE

Thomas Woods, YIN

6-WEEK LOOK AHEAD
JULY 27 – SEPTEMBER 7, 1998
GW/VZ INTEGRATION PROJECT

<i>July 8 to</i>	Public Comment Period for the Draft GW/VZ
<i>July 27</i>	Weekly Project Status Meeting
<i>August 3</i>	Weekly Project Status Meeting
<i>August 3 to</i>	Public Comment Period for the Draft Project
<i>August 10</i>	Weekly Project Status Meeting
<i>Week of</i>	Monthly Project Workshop on GW/VZ Detailed
<i>Week of</i>	GW/VZ Detailed Work Plan Reviews
<i>August 17</i>	Weekly Project Status Meeting
<i>Week of</i>	National Lab Meeting (Tentative)
<i>August 24</i>	Weekly Project Status Meeting
<i>August 31</i>	Weekly Project Status Meeting

NATIONAL LABORATORY TECHNICAL MEETING

JULY 22, 1998
1:00 p.m. – 5:00 p.m.
JULY 23, 1998
8:00 a.m. – 4:00 p.m.

LOCATION: Pacific Northwest National Laboratory
Environmental Molecular Sciences Laboratory
Conference Room 1077
3335 Q Avenue
Richland, WA 99337

PURPOSE: Identification of significant issues for inventory and groundwater technical program elements

MEETING OBJECTIVES:

- 1) Continue discussions by National Laboratories of vadose zone/groundwater issues associated with Hanford subsurface and the Columbia River.
 - Initiate examination of scientific issues associated with effects of Hanford contaminants on groundwater quality and on issues associated with the source term and inventory of contaminants in the subsurface.
 - Determine approach to addressing scientific issues affecting inventory and groundwater.
- 2) Assess status of conceptual model for the inventory and groundwater technical elements.
- 3) Initiate discussion of approach to solving key issues and outline types of studies needed.

WEDNESDAY, JULY 22

1:00 p.m. – 1:30 p.m.	Welcome/Introduction Charge to Participants Expected Products
1:30 p.m. – 4:30 p.m.	Technical Background for Issues Identification <ul style="list-style-type: none">● Inventory Amount and Possible Release Scenarios● Groundwater Characterization● Modeling
4:30 p.m. – 5:00 p.m.	Discussion of Important Issues and Data Gaps/Summary

THURSDAY, JULY 23

8:00 a.m. – 8:30 a.m.	Charge to Breakout Groups
8:30 a.m. – 11:30 a.m.	Separate Breakout Sessions
11:30 a.m. – 12:00 p.m.	Lunch
12:00 p.m. to 1:45 p.m.	Breakout Sessions to Reach Agreement on Key Issues
1:45 p.m. – 2:15 p.m.	Break – Breakout Session leads prepare summary of work accomplished
2:15 p.m. – 3:15 p.m.	Summary of work accomplished by groups/presentations by breakout group leaders
3:15 p.m. – 3:45 p.m.	Period for public comment and discussion
3:45 p.m. – 4:30 p.m.	Next Steps/Assignment of Actions Schedule Next Meeting
4:30 p.m.	Adjourn

BREAKOUT SESSIONS:

1. Two sessions will be held:
 - Inventory (source terms)
 - Groundwater
2. Purpose of Inventory and Groundwater Sessions – Conduct discussion of key scientific and technical issues associated with impacts of contamination associated with groundwater, and with determining amount of inventory and possible release scenarios. Identify lists of scientific questions, with supporting needs for characterization/ experimental/simulation. Time permitting, outline key types of investigations to address questions.

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